

Program

Date Time	Session/Theme 0900 – 1030	Session/Theme 1100 – 1230	Session/Theme 1330 – 1500	Session/Theme 1530 – 1700
Day-1, Monday 06 Mar 2023	Registration / Inauguration (PU-LC)	Plenary Session PT-1 & PT-2 (PU-LC)	I: Molecular Genetics (I) IL-1, IL-2 & OP-1 to OP-4 (SBS-LH1)	IV: Nanobiotechnology IL-6, & OP-14 to OP-19 (SBS-LH1)
			II: Molecular Microbiology IL-3, IL-4 & OP-5 to OP-9 (SBS-LH2)	V: Structural Biology IL-7 & OP-20 to OP-22 (SBS-LH2)
			III: Biotic/Abiotic Stress Tolerance (I) IL-5 & OP-10 to OP-15 (SBB-A)	VI: Genetic Engineering (I) IL-8 & OP-23 to OP-25 (SBB-A)
Day-2, Tuesday 07 Mar 2023	VII: Cancer Biology (I) IL-9 & OP-26 to OP-29 (SBS-LH1)	X: Genome Editing IL-12, IL-13 & OP-38 (SBS-LH1)	XIII: Cell Biology IL-17 & OP-42 to OP-45 (SBS-LH1)	XVI: Molecular Genetics (II) IL-20 & OP-55 to OP-58 (SBS-LH1)
	VIII: Biotic/Abiotic Stress Tolerance (II) IL-10 & OP-30 to OP-33 (SBS-LH2)	XI: Pathogen-Host Interactions IL-14 & OP-39 to OP-40 (SBS-LH2)	XIV: Sustainable Agriculture IL-18 & OP-46 to OP-49 (SBS-LH2)	XVII: Genetic Engineering (II) IL-21 & OP-59 to OP-62 (SBS-LH2)
	IX: Metabolomics IL-11 & OP-34 to OP-37 (SBB-A)	XII: Climate Change IL-15, IL-16 & OP-41 (SBB-A)	XV: Protein Chemistry IL-19 & OP-50 to OP-54 (SBB-A)	
Day-3, Wednesday 08 Mar 2023	XVIII: Cancer Biology (II) IL-22 & OP-63 to OP-66 (SBS-LH1)	Concluding Ceremony (PU-IEE)	City Tour: For guests and selected participants	
	XIX: Bioinformatics IL-23 & OP-67 to OP-70 (SBS-LH2)			
Poster Session	Day 2: March 07, 2023, at 1030 to 1100 & 1200 to 1330 <i>Note: Posters to mounted on Day 1 (March 06, 2023) Afternoon</i>			

PT: Plenary Talk; **IL:** Invited Lecture; **OP:** Oral Presentation; **PU-LC:** PU Law College; **SBS-LH1:** School of Biological Sciences Lecture Hall-1; **SBS-LH2:** School of Biological Sciences Lecture Hall-2; **SBB-A:** School of Biochemistry and Biotechnology Auditorium; **PU-IEE:** PU Institute of Electrical Engineering



CONFERENCE PROGRAM

Day-1 (Monday, March 06, 2023)

Inaugural Session (PU Law College)	
Time	Program
0830 – 0900	Registration
0900 – 0910	Guests to be seated
0910 – 0915	Recitation from the Holy Quran
0915 – 0925	Welcome remarks by Prof. Sadaf Naz, Director General, School of Biological Sciences (Chief Organizer, ICABS-2023)
0925 – 0930	Remarks by Founding Director General, SBS Prof. M. Akhtar. <i>FRS</i>
0930 – 0935	Twenty Years of Excellence Presentation
0935 – 0955	Keynote Address by Chief Guest Dr. Shahid Mahmood Baig, Chairman Pakistan Science Foundation
0955 – 1015	Address by Prof. Niaz Ahmad Akhtar Vice Chancellor, University of the Punjab, Lahore (Patron in Chief, ICABS-2023)
1015 – 1025	Vote of Thanks by Prof. Javed Iqbal Qazi Dean, FLS, University of the Punjab, Lahore (Co-Patron, ICABS-2023)
1025 – 1030	Group Photo
1030 – 1100	Tea/Refreshments (PU Law College Lawn)
Plenary Session (PU Law College)	
Chairs: Dr. Shahid Mahmood Baig, Prof. Javed Iqbal Qazi	
1100 – 1145	PT-1: Is USP53 involved in Psychosis and Schizophrenia? Evidence from Mendelian Genetics Research on a Consanguineous Pakistani Family along with Murine Functional Studies Prof. José V. Pardo , MD, University of Minnesota, USA
1145 – 1230	PT-2: Targeted Knock-Out of Barley Endosperm-Specific Storage Proteins as a Prerequisite for Molecular Farming Purposes Prof. Götz Hensel , Heinrich Heine University, Düsseldorf, Germany
1230 – 1330	Lunch/Prayer Break (SBB Lawn)



Scientific Session I (SBS-LH1)	
Theme: Molecular Genetics (I)	
Chairs: Prof. José V. Pardo, Prof. Dr. Muhammad Ansar	
1330 – 1350	IL-1: Genetic Studies on Rare and Undiagnosed Disorders Prof. Dr. Mustafa Tekin, MD, University of Miami, USA
1350 – 1415	IL-2: Genetic Basis of Specific Language Impairment Dr. Muhammad Hashim Raza, University of Kansas, USA
1415 – 1430	OP-1: Genes & Health; A Community Based Genetic Study for British Pakistani & Bangladeshi People Dr. Faiza Durrani, Queen Mary University of London, UK
1430 – 1440	OP-2: Whole-Exome Sequencing in a Multiplex Family Reveals a Variant of <i>BTK</i> Segregating with Bipolar Disorder Accompanied by Psychosis Ambreen Kanwal, University of the Punjab, Lahore
1440 – 1450	OP-3: Genetic Analysis of Mutations in Consanguineous Families with Microphthalmia from the Region of Punjab Usman Hameed, Quaid-I-Azam University, Islamabad
1450 – 1500	OP-4: Role of Next Generation Sequencing in Resolving Genetically Complex and Phenotypically Similar Diseases like Primary Congenital Glaucoma and Congenital Hereditary Endothelial Dystrophy. Khazeema Yousaf, Lahore College for Women University, Lahore
Scientific Session II (SBS-LH2)	
Theme: Molecular Microbiology	
Chairs: Prof. Ikram ul Haq, Prof. Anjum Naseem Sabri	
1330 – 1350	IL-3: Biodegradation of plastics: An Ecofriendly waste management approach Prof. Muhammad Ishtiaq Ali, Quaid-i-Azam University, Islamabad
1350 – 1410	IL-4: The Antimicrobial Ability of Cotton Fibers that Contain Covalently Attached Organo-selenium. Dr. Phat Linh Tran, Texas Tech University, USA
1410 – 1420	OP-5: Evaluation of the antimicrobial synergistic potential of <i>Fagonia indica</i> Burm.f. with the selected antibiotic Anum Abrar, Quaid-i-Azam University, Islamabad
1420 – 1430	OP-6: Isolation, Characterization and Stability Profiles of Phage vB-SalM-SGP-20L Infecting Poultry origin Serovars of <i>Salmonella</i> , <i>S. Gallinarum</i> and <i>S. Enteritidis</i> Ayesha Munir, University of the Punjab, Lahore
1430 – 1440	OP-7: Investigating the Diversity of Methane-utilizing Bacteria in Rice Paddy Fields of Punjab, Pakistan Rabia Ejaz, University of the Punjab, Lahore



1440 – 1450	OP-8: Isolation and Characterization of Mercury Resistant Bacteria and Their Effect on Plant Growth Promotion in Combination with Metal Hyper-Accumulator Fern Aisha Anwar , University of Management and Technology, Lahore
1450 – 1500	OP-9: Comparative Analysis of Methods for Metagenomic DNA Isolation from Industrial Effluents and Analysis of Microbiome by Next Generation Sequencing Sadia Mushtaq , University of the Punjab, Lahore
Scientific Session III (SBB-Auditorium)	
Theme: Biotic/Abiotic Stress Tolerance (I)	
Chairs: Prof. Muhammad Ashraf, Prof. Tassarwar Hayat Malik	
1330 – 1355	IL-5: Genetics and Pattern of Inheritance of Cotton Leaf Curl Disease Resistance Genes in Upland Cotton (<i>Gossypium hirsutum</i> L.) Prof. Ghulam Sarwar , Ayub Agriculture Research. Institute, Faisalabad
1355 – 1410	OP-10: How to phenotype the mapping population precisely under an abiotic stress conditions? Prof. Muhammad Arshad Javed , University of the Punjab, Lahore
1410 – 1425	OP-11: Concurrent Removal of Hexavalent Chromium and Azo dyes by <i>Ochrobactrum intermedium</i> Isolated from Industrial Wastewater Dr. Abdul Rehman , University of the Punjab, Lahore
1425 – 1440	OP-12: Ethanol mediated drought stress tolerance in plants Prof. Khurram Bashir , Lahore University of Management Sciences, Lahore
1440 – 1450	OP-13: Effects of a commercial microbial biostimulant and silicon on growth of maize under water deficit conditions Dr. Fahim Nawaz , MNS University of Agriculture, Multan
1450 – 1500	OP-14: The impact of drought stress on the physiology and yield of <i>Gossypium hirsutum</i> exposed at seedling stage Tanzeela Rehman, Dr. Uzma Qaisar University of the Punjab, Lahore
1500 – 1530	Tea/Refreshments (SBB Lawn)
Scientific Session IV (SBS-LH1)	
Theme: Nanobiotechnology	
Chairs: Prof. Saira Riaz, Prof. Khurram Bashir	
1530 – 1600	IL-6: Cell-Biological Interactions: Exploring the Unexplored Cellular Interactions Dr. Zia ur Rehman , Kohat University of Science. and Technology, Kohat
1600 – 1615	OP-15: Fabrication and Assessment of Diosgenin Encapsulated Stearic Acid Solid Lipid Nanoparticles for Its Anticancer and Antidepressant Effects Using <i>in vitro</i> and <i>in vivo</i> Models

	Dr. Aneela Javed , National University of Science and Technology, Islamabad
1615 – 1630	OP-16: Role of Green Nanotechnology in Reducing the Input of Agro-Chemicals for Crop Protection Dr. Tehmina Anjum , University of the Punjab, Lahore
1630 – 1640	OP-17: Affinity Purification of Proteins with Magnetic Nanoparticles Dr. Madeeha Shahzad Lodhi , The University of Lahore, Lahore
1640 – 1650	OP-18: Antiproliferative Potential of <i>Citrullus colocynthis</i> mediated Silver Nanoparticles against Breast Cancer Cells (MCF-7) Shafqat Rasool , University of the Punjab, Lahore
1650 – 1700	OP-19: BiNPs-Chitosan-Doxycycline Liposomes: a pH Responsive Delivery System to Target <i>H. Pylori</i> , an <i>In vitro</i> Study Sadia Iftikhar , Lahore College for Women University, Lahore
Scientific Session V (SBS-LH2)	
Theme: Structural Biology	
Chairs: Prof. Naeem Rashid, Prof. Farzana Rashid	
1530 – 1600	IL-7: Structural Studies of Bacterial Type L-Asparaginases, Enzymes Used as Anti-Cancer Drugs Prof. Alexander Wlodawer , National Cancer Institute at NIH, USA
1600 – 1615	OP-20: Structural Insight into Twin-Arginine Translocase Subunit (TatC) of <i>Mycobacterium tuberculosis</i> H37Rv Directly Involved in Antibiotic Resistance Dr. Raheela Chaudhry , NIMP, Islamabad
1615 – 1630	OP-21: Effect Of pH, Temperature and UV Light on Ciprofloxacin and Metronidazole alone and in Combination by UV Spectrophotometry Dr. Wajiha Gul , Dow University of Health Sciences, Karachi
1630 – 1645	OP-22: Structural and biophysical analysis of plasmodial and bacterial multimeric Pdx1 - Pdx2 Proteins and complexes Dr. Najeeb Ullah , Bahauddin Zakaria University, Multan
Scientific Session VI (SBB-Auditorium)	
Theme: Genetic Engineering (I)	
Chairs: Prof. Muhammad Aasim, Dr. Muhammad Khurshid	
1530 – 1600	IL-8: Designing Proteins for Serodiagnosis and Treatment of Tuberculosis Prof. M. Waheed Akhtar , University of the Punjab, Lahore
1600 – 1615	OP-23: Improving the Soluble Expression of Prochymosin in <i>Escherichia coli</i> using the Chaperone-based Approach by Co-expression with GroEL-GroES. Dr. Hooria Younas , Kinnaird College for Women, Lahore



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1615 – 1630	OP-24: Biotransformation of Fruit Peels into Vanillin through Solid-State Fermentation and Statistical Optimization of Process by using RSM Design Dr. Tahir Mehmood , University of the Punjab, Lahore
1630 – 1645	OP-25: Protein Engineering Approaches for Alpha Amylase Production: From Tools to Applications Mohsin Shad, Dr. Muhammad Sajjad , University of the Punjab, Lahore



CONFERENCE PROGRAM

Day-2 (Tuesday, March 07, 2023)

Scientific Session VII (SBS-LH1) Theme: Cancer Biology (I) Chairs: Prof. Saqib Mehmood, Dr. Ambrin Fatima	
0900 – 0930	IL-9: The Development of Hepatitis C Persistent Infection and the Progression of Hepatocellular Carcinoma are Both Remarkably Persuaded by CD81 ⁺ Exosomes Prof. Sobia Manzoor , National University of Science and Technology, Islamabad
0930 – 0945	OP-26: Circulating MicroRNA Signatures as Potential Molecular markers for Early Detection of Cancer Dr. Samiah Shahid , The University of Lahore, Lahore
0945 – 1000	OP-27: Preventive and curative anticancer effect of <i>Buchanania lanzan</i> spreng. against induced hepatocellular carcinoma (HCC) in <i>Oryctolagus cuniculus</i> L. (carcinomic rabbits model) Dr. Shazia Kanwal Malik , Lahore College for Women University, Lahore
1000 – 1015	OP-28: Lipid Metabolic Reprogramming in pathogenesis of hepatocellular carcinoma (HCC) Mehak Shahid , University of the Punjab, Lahore
1015 – 1030	OP-29: Expression Analysis of CLDN1 and miR-195 in Cervical Cancer Fatima Faisal , COMSATS University, Islamabad
Scientific Session VIII (SBS-LH2) Theme: Biotic/Abiotic Stress Tolerance (II) Chairs: Prof. Kauser A. Malik, Prof. Muhammad Arshad Javed	
0900 – 0930	IL-10: Aquatic Plant Biotechnology for Food and Environment Prof. Muhammad Aasim , Sivas University of Sci. and Technol., Turkey
0930 – 0945	OP-30: Response of maize to exogenously applied chromium: elucidation of possible tolerance mechanism. Dr. Abdul Ghani , University of Sargodha, Sargodha
0945 – 1000	OP-31: Effect of temperature stress on physiological parameters in bell pepper (<i>Capsicum annum</i> L.) Genotypes Dr. Javaria Tabassum , University of the Punjab, Lahore
1000 – 1015	OP-32: Evaluation of Bacillus and Rhizobium Strains to Enhance the Growth of <i>Vigna radiata</i> (L.) under Drought Stress. Sana Tanveer , University of the Punjab, Lahore
1015 – 1030	OP-33: Effect of Foliar Application of Moringa Leaf Extract on Wheat (<i>Triticum aestivum</i> L.) under Cadmium Stress



	Hafeez ur Rehman , University of Agriculture Faisalabad
Scientific Session IX (SBB-Auditorium)	
Theme: Metabolomics	
Chairs: Prof. Mohammad Perwaiz Iqbal, Prof. Ali Raza Awan	
0900 – 0930	IL-11: Genetic and Biochemical Investigations of Inborn Errors of Metabolism Prof. Fazli Rabbi Awan , NIBGE, Faisalabad, Pakistan
0930 – 0945	OP-34: Elucidation of Mechanism of Dibenzothiophene Desulfurization in <i>Mycolicibacterium</i> sp. J2 using Genomic and Metabolomic Approaches Muhammad Zeeshan , National Institute for Biotechnology and Genetic Engineering, Faisalabad
0945 – 1000	OP-35: Impact of Physical Activity on Lipid Profile in Prehypertensive Population Hajira Maqbool , University of Management and Technology Lahore
1000 – 1015	OP-36: Anthropometric and Dyslipidemic Indices are Risk Markers in Pakistani PCOS Women Dr. Aasia Bibi , The Women University Multan
1015 – 1030	OP-37: Behavioral effects following administration of <i>Hibiscus rosa sinensis</i> and <i>Murraya koenigii</i> on monosodium glutamate induced neurotoxicity. Tabinda Ruby , Federal Urdu University for Arts, Science and Technology Karachi
1030 – 1100	Tea/Refreshments (SBB Lawn)
Scientific Session X (SBS-LH1)	
Theme: Genome Editing	
Chairs: Prof. Tayyab Husnain, Prof. Fridoon Jawad Ahmad	
1100 – 1125	IL-12: The genetics of photosynthesis efficiency, what can we learn from nature to improve crop photosynthesis. Prof. MGM (Mark) Aarts , Wageningen University and Research Netherlands
1125 – 1145	IL-13: CRISPR Cas based genome editing and transgene expression for improvement of important crop traits. Prof. Abdul Qayyum Rao , University of the Punjab, Lahore
1145 – 1200	OP-38: Induction of Fetal hemoglobin by targeted deletion of Zinc finger domain within <i>BCL11A</i> gene using CRISPR-Cas9 technology in K562 and patient derived hematopoietic stem cells (HSCs) Safana Farooq , The Aga Khan University, Karachi
1200 – 1230	POSTER SESSION



Scientific Session XI (SBS-LH2)	
Theme: Pathogen-Host Interactions	
Chairs: Prof. Samina Mehnaz, Prof. Idrees A. Nasir	
1100 – 1130	IL-14: Microbial Exopolysaccharides as Functional Foods: Scientific Perspective and Emerging Concepts Prof. Dr. Munir A. Anwar , NIBGE, Faisalabad
1130 – 1145	OP-39: Virus-Derived shRNA and PR Genes to Improve Potato Plants Against Phytopathogens Dr. Anwar Khan , BUITEMS, Quetta
1145 – 1200	OP-40: <i>In Silico</i> and Expressional Analysis of <i>Helicobacter pullorum</i> Type Six Secretory Protein Hcp Kashaf Javed , COMSATS Institute of Information Technology (CIIT), Islamabad
1200 – 1230	POSTER SESSION
Scientific Session XII (SBB-Auditorium)	
Theme: Climate Change	
Chairs: Prof. Javed Iqbal, Prof. Bushra Rashid	
1100 – 1130	IL-15: Cotton and Climate Change Prof. Dr. Mohamed Negm , Cotton Research Institute, Egypt
1130 – 1145	IL-16: Climate Change has Significantly Impacted Health in Pakistan Prof. Dr. Mohammad Perwaiz Iqbal , University of Management and Technology, Lahore
1145 – 1200	OP-41: Invasive Behavior of Native Species. Ishrat Aziz , Virtual University, Pakistan
1200 – 1230	POSTER SESSION
1230 – 1330	Lunch/Prayer Break (SBB Lawn)
Scientific Session XIII (SBS-LH1)	
Theme: Cell Biology	
Chairs: Prof. Abdul Rauf Shakoori, Dr. Saira Saleem	
1330 – 1400	IL-17: Using Induced Pluripotent Stem Cells to Model Neurodevelopment in a Dish Dr. Ambrin Fatima , The Agha Khan University, Karachi
1400 – 1415	OP-42: Generation and characterization of a human induced pluripotent stem cell line from a healthy female donor of Pakistani origin Hijab Zahra , The Agha Khan University, Karachi
1415 – 1430	OP-43: Mitochondrial Calcium Contributes to Neutrophil Activation Amna Falak , Quaid -i-Azam University, Islamabad



1430 – 1445	OP-44: Preconditioning hADMSCs with Polygonatum verticillatum Extract: A Promising Strategy for Osteoarthritis Treatment Umar Sajjad , University of the Punjab, Lahore
1445 – 1500	OP-45: Mitigation of stress from testis injuries by Resveratrol may occur via apoptosis-inducing factor signaling in mice Sheeraz Mustafa , Nanjing Agricultural University, China
Scientific Session XIV (SBS-LH2)	
Theme: Sustainable Agriculture	
Chairs: Prof. Muhammad Aasim, Prof. Hamid Mukhtar	
1330 – 1350	IL-18: Use of DNA-barcoding Technique to Identify Endemic Texa of Western Himalayas from Pakistan Dr. Khushi Muhammad , Hazara University, Mansehra
1350 – 1415	OP-46: Genetic Dissection of Stay-Green Trait in Bread Wheat for Genomic Selection Dr. Alia Anwar , University of the Punjab, Lahore
1415 – 1430	OP-47: Genomewide analysis of 1-aminocyclopropane-1-carboxylate and its functions in <i>Gossypium barbadense</i> fiber development Samina Yousaf , University of the Punjab, Lahore
1430 – 1445	OP-48: Phenomic Analysis of Architectural and Yield Traits In Cotton (<i>Gossypium hirsutum</i> L.) Javeeria Noor , Government College Women University Faisalabad
1445 – 1500	OP-49: Genetic Diversity of <i>Rhizobium</i> in Nodules and Rhizosphere of <i>Vigna mungo</i> L. Syed Mudarab Ali , COMSATS University Islamabad
Scientific Session XV (SBB-Auditorium)	
Theme: Protein Chemistry	
Chairs: Prof. Fazli Rabbi Awan, Prof. Amer Jamil	
1330 – 1400	IL-19: Bacteriocins: Bioactive peptides/ Proteins with Diverse Applications Dr. Muhammad Shahid , University of Agriculture, Faisalabad, Pakistan
1400 – 1415	OP-50: N-terminal Processing of Recombinant Mammalian proteins in <i>Escherichia coli</i> Dr. Qurratulain Afza Gardner , University of the Punjab, Lahore
1415 – 1430	OP-51: Engineering of L-asparaginase from <i>Thermococcus kodakarensis</i> for improved activity and thermostability Dr. Majida Atta Muhammad , University of the Punjab, Lahore
1430 – 1440	OP-52: Investigating Pyruvate Kinase from <i>Pyrobaculum calidifontis</i> : A Mutational Analysis of Non-Conserved Residues through Cloning and Expression in <i>Escherichia coli</i>

	Samia Falak , University of the Punjab, Lahore
1440 – 1450	OP-53: Developing a tetravalent vaccine utilizing conserved regions from all dengue proteins: A step towards a universal dengue vaccine Sitara Nasar , University of the Punjab, Lahore
1450 – 1500	OP-54: Expression and Purification of SARS-CoV-2 Nucleocapsid Protein and its Domains for the Development of a Broad-Spectrum, Multiepitope Based Vaccine Ayesha Siddiqa , University of the Punjab, Lahore
1500 – 1530	Tea/Refreshments (SBB Lawn)
Scientific Session XVI (SBS-LH1)	
Theme: Molecular Genetics (II)	
Chairs: Prof. José V. Pardo, Dr. Muhammad Hashim Raza	
1530 – 1600	IL-20: Identification of Genes in Pakistani Families with Intellectual Disability: A Perspective of Current Genomic Applications Prof. Dr. Muhammad Ansar , Quaid-e-Azam University, Islamabad
1600 – 1615	OP-55: Variation in Glutathione peroxidase 1 (<i>GPX1</i>) Gene and its Expression Analyses in Diabetic Cataract Patients Dr. Syeda Nuzhat Nawab , University of Karachi, Karachi
1615 – 1630	OP-56: Genotype-Phenotype Correlation of CDC14A p.R345X Variant in Human and Mouse Kanwal Shabbir , University of the Punjab, Lahore
1630 – 1645	OP-57: Investigating the Heat Tolerant Ability of Dwarf Trait in Yellow Feather Chicken Ali Hassan Nawaz , Nanjing Agricultural University, China
1645 – 1700	OP-58: Molecular Screening of Blast Resistance Rice Lines from Indigenous and Exotic Germplasm Muhammad Ashfaq , University of the Punjab, Lahore
Scientific Session XVII (SBS-LH2)	
Theme: Genetic Engineering (II)	
Chairs: Prof. Muhammad Waheed Akhtar, Prof. Aftab Bashir	
1530 – 1555	IL-21: Modifying TAGs Biosynthesis Pathway in Crop Seed using Transgenic Approach Prof. Iqbal Munir , University of Agriculture, Peshawar
1555 – 16:05	OP-59: Cloning and expression of endoglucanase EG 3 and EG 5 of <i>Humicola insolens</i> -N1 into <i>Trichoderma reesei</i> QM 9414 (<i>Hypocrea jecorina</i>). Prof. Farooq Latif , Minhaj University, Lahore



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1605 – 1620	OP-60: Host-induced gene silencing and transgene technology for crop protection. Dr. Bushra Tabassum , University of the Punjab, Lahore
1620 – 1645	OP-61: Characterization of a plant-type L-asparaginase from <i>Thermococcus kodakarensis</i> and evaluation of its acrylamide mitigation potential Muhammad Sajed , University of the Punjab, Lahore
1645 – 1700	OP-62: <i>In-Silico</i> Analysis and Biochemical Characterization of Archaeal Glycerophosphoryl Diester Phosphodiesterase Arshia Nazir , University of the Punjab, Lahore



CONFERENCE PROGRAM

Day-3 (Wednesday, March 08, 2023)

Scientific Session XIX (SBS-LH1) Theme: Cancer Biology (II) Chairs: Prof. Sobia Manzoor, Prof. Azra Mehmood	
0900 – 0930	IL-22: Colon Cancer Stem Cell Proteomics and Precision Therapy Dr. Saira Saleem , Shaukat Khanam Memorial Hospital, Pakistan
0930 – 0945	OP-63: Transcriptome Analysis to Find Biomarkers for HCV Progression to Hepatocellular Carcinoma (HCC) in Local Patients Dr. Shah Jahan , University of Health Sciences, Lahore
0945 – 1000	OP-64: Role of Inflammation in Tamoxifen Resistance of Breast Cancer Cells Isbha Ashfaq , University of the Punjab, Lahore, Pakistan
1000 – 1015	OP-65: Estrogen Induces c-myc Transcription by Binding to Upstream ERE Element in its Promoter Nazia Rehman , COMSATS University, Islamabad
1015 – 1030	OP-66: Expressional Analysis of Transmembrane (<i>Tmem45a</i>) Gene in Breast Cancer Patients of PIMS Hospital Islamabad Sajjal Zahra , COMSATS University, Islamabad
Scientific Session XX (SBS-LH2) Theme: Bioinformatics Chairs: Dr. Muhammad Naveed, Dr. Mehmod ur Rahman Ansari	
0900 – 0930	IL-23: Applications of Computational Methods in Drug Design Prof. Zaheer ul Haq , PCMD, University of Karachi, Karachi, Pakistan
0930 – 0945	OP-67: Insight into Molecular Interaction of Synthetic Benzimidazole Analogues for Anxiolytic Activity; an <i>In-Silico</i> Approach Dr. Sabahat Naeem , Dow University of Health Sciences, Karachi
0945 – 1000	OP-68: Molecular Docking Studies of Terpenes Targeting Overexpressed Receptors in Breast Cancer Iffat Nayila, Dr. Sumaira Sharif , The University of Lahore. Lahore
1000 – 1015	OP-69: Potential Inhibitor of CHD1L from Medicinal Plant Compounds by Molecular Docking Study Muhammad Faisal Maqbool , University of the Punjab, Lahore
1015 – 1030	OP-70: Employing Machine Learning to Diagnose Joint Pain Dr: Saman Shahid , National University of Computer & Emerging Sciences (NUCES), Lahore



Concluding Session (Al-Razi Hall)	
1100 – 1110	Guests to be seated
1110 – 1115	Recitation from the Holy Quran
1115 – 1130	Remarks by Prof. Javed Iqbal Qazi Dean, FLS, University of the Punjab, Lahore (Co-Patron, ICABS-2023)
1130 – 1145	Address by Chief Guest Prof. Dr. Shahid Munir, Chairman, Punjab Higher Education Commission
1145 – 1200	Remarks by Guests/participants
1200 – 1220	Certificates/Shields Distribution
1220 – 1225	Vote of Thanks by Prof. Sadaf Naz, Director General, School of Biological Sciences (Chief Organizer, ICABS-2023)
1225 – 1230	Group Photo
1230 – 1800	City Tour on demand (To be opted on Registration desk @1000/person)



CONFERENCE PROGRAM

Poster Session

Day-2 (Tuesday, March 07, 2023)

<p>PP 01: Computational Analysis of Variants of Uncertain Significance in <i>ASS1</i> gene Ruhma Tahir, University of Management and Technology, Lahore</p>
<p>PP 02: 24-Epibrassinolide as a promising Conformer for Tomato Receptor-Like Kinases Lysm, An <i>In-Silico</i> Investigation of Binding Affinity by Molecular Docking And Molecular Dynamics Simulations Waheed Akram, University of the Punjab, Lahore</p>
<p>PP 03: Computational Screening of Non-Synonymous SNPs from Human SQLE Gene to Assess Their Association with Multiple Cancer Types Mahnoor Mushtaq, University of Management and Technology, Lahore</p>
<p>PP 04: Immunoinformatics Design of a Multi-Epitope Vaccine against <i>Mycobacterium Leprae</i> Hadiqa Inam, University of Management and Technology, Lahore</p>
<p>PP 05: <i>In-silico</i> Pharmacokinetic Assessment of Fast Release Tablets of Domperidone and its Comparison with Conventional Tablets Bushra Alam, Kohat University of Science and Technology (KUST), Kohat</p>
<p>PP 06: Identification of Drought Stress Related Genes in Cotton by Meta-Analysis of Microarray Data Tanzeela Rehman, University of the Punjab, Lahore</p>
<p>PP 07: Isolation and Growth Optimization of Chromium Resistance Bacteria from Industrial Wastewater Iqra Sohail, University of Management and Technology, Lahore</p>
<p>PP 08: Reproductive Frost Tolerance Genes in <i>Pisum sativum L.</i> Shaista Shafiq, The University of Faisalabad, Faisalabad</p>
<p>PP 09: A new Insight into the Mechanism of Action of Flavonoids”: A critical review Manam Walait, University of Central Punjab, Lahore</p>
<p>PP 10: Cross Talk of Non-coding and Coding RNAs in Tamoxifen Resistance of Breast Cancer Zhuha Basit, University of the Punjab, Lahore</p>
<p>PP 11: Role of <i>CHEK2</i> During Genotoxic Therapies in Breast Cancer Patients for Treatment Choices Sadaf Sarfraz, Forman Christian college, Lahore</p>
<p>PP 12: Effect of <i>AMPK</i> activators on the Endothelial Cells Rohama Zahid, University of the Punjab, Pakistan</p>
<p>PP 13: The Antioxidant and Anti-Inflammatory Effects of <i>SAC</i> on Human adipose derived stem cells in Regenerative Medicine Noreen Latief, University of the Punjab, Lahore</p>
<p>PP 14: Using Artificial Intelligence to Visualize the Impacts of Climate Change Waseem Abbas, Fatima Noureen, Zarsha Habib, NFC Institute of Engineering & Technology, Multan</p>



<p>PP 15: Fusion transformation in maize for joint resistance against insect and glyphosate Atif Mehmood, University of Gujrat, Gujrat</p>
<p>PP 16: Structure-Based Protein Engineering and Truncation of the Alpha Amylase from <i>Methanococcus jannaschii</i> Mohsin Shad, University of the Punjab, Lahore, Pakistan</p>
<p>PP 17: Laccase Gene Silencing Against Indigenous <i>Sitobion avenae</i> in <i>Triticum aestivum</i> cvs by RNA Interference Asma Rafique, University of Gujrat, Gujrat</p>
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